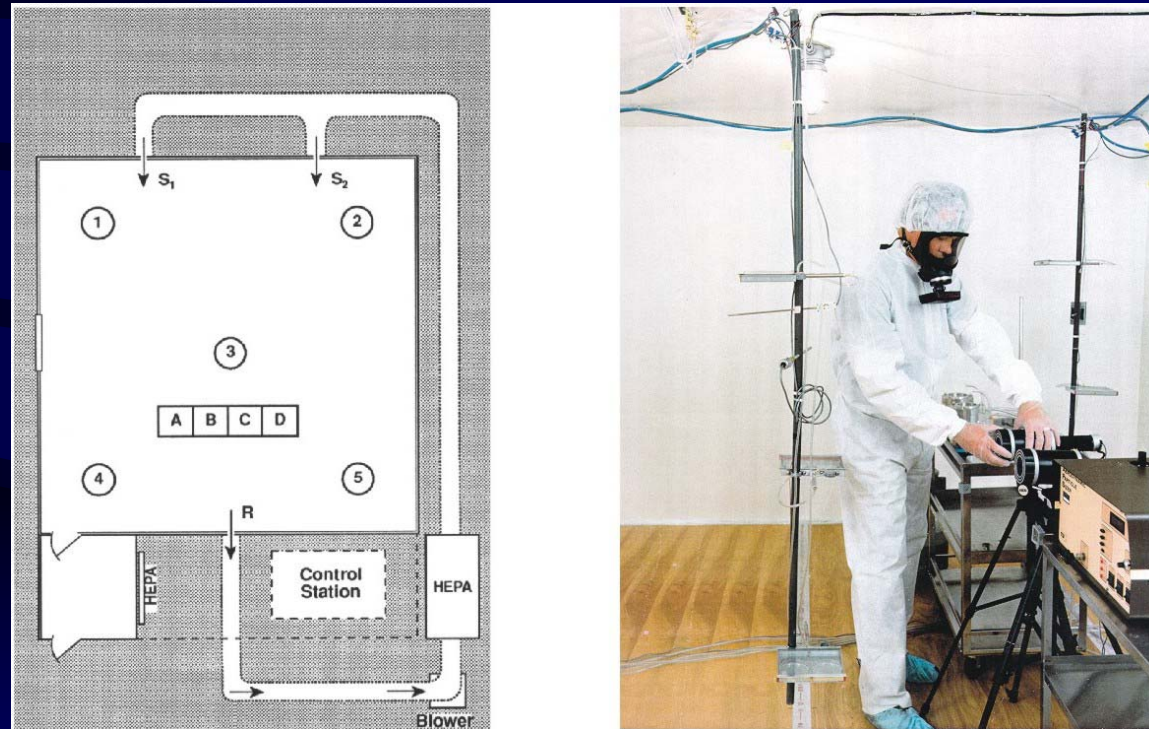




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1994: studies on the dispersal of settled bacteria from flooring materials in an experimental room due to routine human activity



Surface Sampling Methods



Swipe kit

Surface Sampling for Biothreat Agents can Provide Information on:

- Presence and concentration
- Locations where agents were released
- Extent of contamination
- Forensics for law enforcement
- Effectiveness of remediation

Swab Sampling

- Swab sampling
 - sterile cotton swab
 - traditional uses in hospitals
 - numerous samples may overwhelm analytical laboratory



Swab Sampling

- Difficult to manipulate with personnel in protective gear



BisKit - large area surface sampling



Surface Sampling Research Needed:

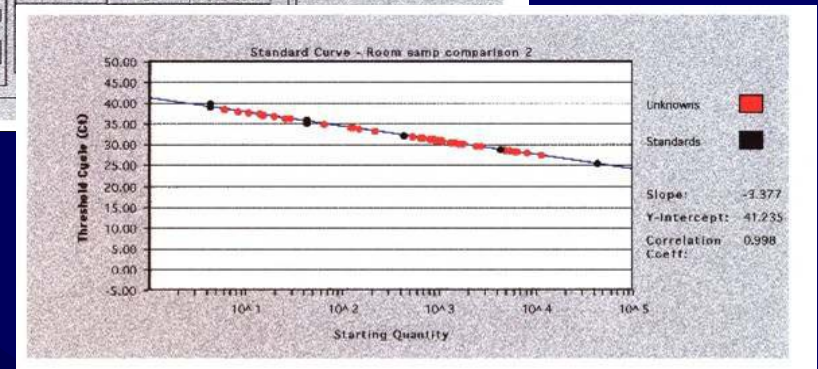
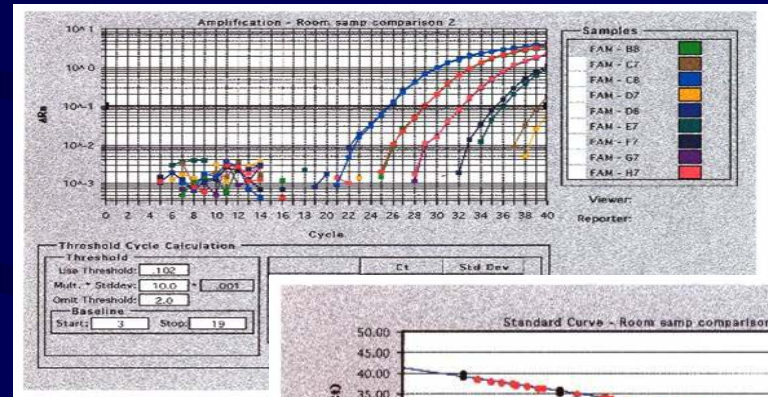
Validation of currently available and/or development of methods to establish protocols for optimal monitoring of biothreat scenarios.

Sample Analysis



Molecular Biology Detection

- Rapid
- Sensitive
- Specific



Interferences from Environmental Background

- Naturally-occurring organisms
- Dust, particulate
- Sampling materials

Information Needed:

- Background populations of biothreat agents and interferences outdoors and in enclosed public areas
 - Stadiums
 - Arenas
 - Convention centers
 - Public transportation facilities
 - Shopping centers

Increased University Research:

- Foundation studies already conducted
- Available facilities minimize start-up
- Less expensive
- Independent, no vested interest in any protocol

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